

CLAIMS

1. A study arrangement of the electromagnetic behaviour of an antenna or any other wave-emitting or -receiving tool, 5 that includes an anechoic chamber designed to receive such an electromagnetic tool (10) to be studied, as well as a person handling this tool (10), and also comprises at least one analysis antenna (20) designed to pick-up the radiation emitted or received by the electromagnetic tool to be studied 10 (10), as well as means (30) for processing the output signals from said analysis antenna (20), where the arrangement also includes means (40) for displaying a radiation diagram produced for the electromagnetic tool to be studied (10), characterised in that the means (40) for displaying the 15 radiation diagram are disposed inside the anechoic chamber, so that the person operating the electromagnetic tool to be studied (10) directly observes the effect of his handling of the tool on the electromagnetic behaviour thereof (10).

20 2. A study arrangement according to claim 1, characterised in that it includes a network of test antennae (20), positioned on a circle located more or less around the electromagnetic object (10) to be examined.

25 3. A study arrangement according to claim 2, characterised in that it includes means that are capable of automatically producing a relative rotation between the said number of analysis antennae in a circle (20) and the electromagnetic tool to be examined (10), around an axis of 30 rotation that is more or less diametrical to the circle formed by all the analysis antennae (20).

35 4. A study arrangement according to any of the preceding claims, characterised in that the means (40) for displaying the radiation diagram of the object to be studied (10) include a screen (40) placed on an inside wall of the anechoic chamber.

5. A study arrangement according to any of claims 1 to 3, characterised in that the means (40) for displaying the radiation diagram of the object to be studied (10) include 5 viewing goggles placed directly on the person handling the tool in the anechoic chamber or fitted to another person, located in the anechoic chamber.

10. 6. A study arrangement according to claim 4, characterised in that the screen (40) is composed of the viewing surface of a monitor or indeed of a conventional optical projection screen, this surface being more or less aligned with the plane of one of the walls of the chamber.

15. 7. A study arrangement according to the preceding claim, characterised in that the screen (40) is composed of the viewing surface of a flat monitor (40), and in particular a liquid crystal or plasma monitor.

20. 8. A study arrangement according to claim 6, characterised in that the screen (40) is a conventional optical projection screen.

25. 9. A study arrangement according to any of the preceding claims, characterised in that it includes a seat to accommodate the person handling the electromagnetic tool to be studied (10), and an adjustable support for one arm of this person, with the seat and the support being adjustable to allow overall repositioning of the person, with exact 30 repositioning of the arm, thus enabling several successive uses of a telephone in a given position of the latter in relation to the remainder of the body of the person.